

KNSCHA

Empowering The World



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KNSCHA ELECTRONICS CO.,LIMITED

IATF16949:2016 ISO9001:2015 ISO14001:2015

KNSCHA

Empowering The World

KNSCHA ELECTRONICS CO.,LIMITED

IATF16949:2016 ISO9001:2015 ISO14001:2015

Aluminum Electrolytic Capacitors

- Source Manufacturer
- 25+ Years Experience
- 7X24 Hours Online Service



Film Capacitors

- Source Manufacturer
- 10+ Years Experience



KNSCHA

Empowering The World

KNSCHA ELECTRONICS CO.,LIMITED is a manufacturing high-tech enterprise founded in 1987 with aluminum electrolytic capacitors and film capacitors as its core for automotive, renewable energy, industrial and consumer electronics. We are working on developing aluminum electrolytic capacitors and plastic film capacitors having higher performance and higher reliability and its product chain extends to multiple categories such as electric double layer capacitors, ceramic capacitors and resistors under the trademark "KNSCHA", quickly responding to customer needs.

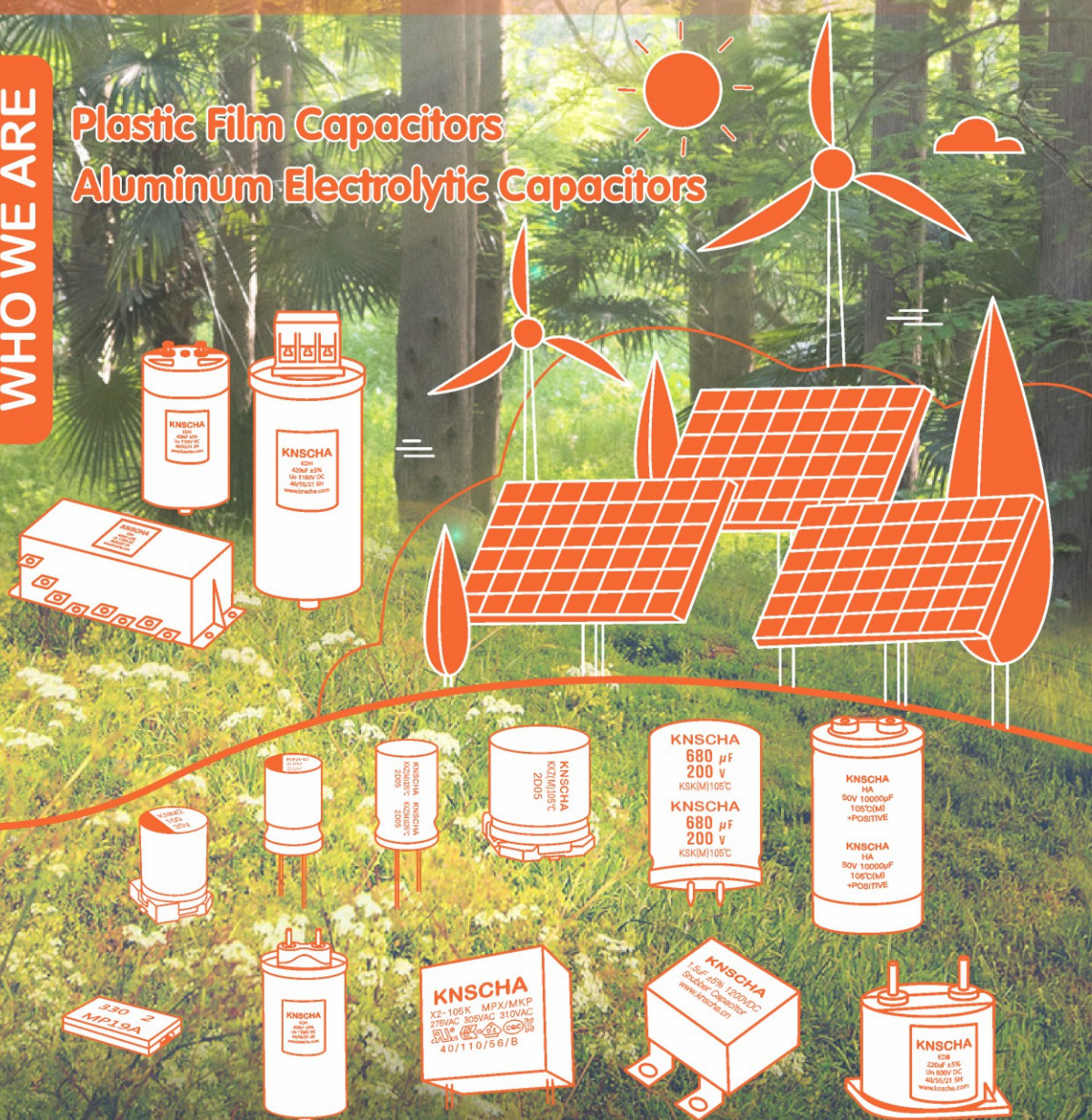
KNSCHA's manufacturing facilities are located in Guangdong, Hunan and Jiangxi and employ over 380 peoples. Our state-of-art manufacturing facilities including R&D, testing labs, automated manufacturing, warehousing and customer service are operate with high quality standard, using Lean manufacturing processes with a comprehensive ISO 9001/14001 and IATF 16949 management systems.

Our products have obtained UL, VDE, TÜV, ENEC10, KTL, and CQC safety certification, and comply with SGS's RoHS, Reach, AECQ-200 and National Grid Testing standards.

As a supporter of this advanced electronic industry, we are very pleased to have contributed to its development.

Plastic Film Capacitors Aluminum Electrolytic Capacitors

WHO WE ARE



KNSCHA has knowledge and know-how as a capacitor professional manufacturer.
We are always comitted to the original performance our customers need.
We solves problems together with our customers.

Company Profile

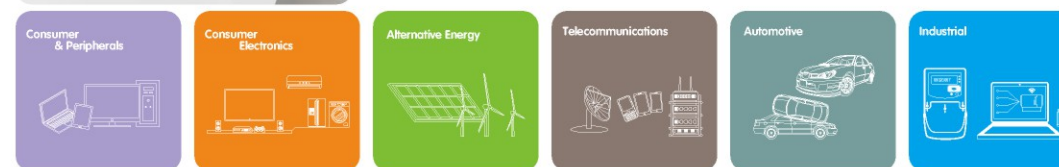
We're building aluminum electrolytic capacitors and film capacitors to impact the future of technology.

KNSCHA Empowering The World

To Provide Excellent Services and Quality Capacitors to Our Customer Worldwide.



- Founded in 1987, **KNSCHA ELECTRONICS CO.,LIMITED** is a high-tech enterprise engaged in advanced technology R&D, production and sales.
- **KNSCHA** is committed to becoming a world-class electronic component supplier and solution provider.
- Our product lines have been widely applied to communications, consumer, industrial, computer, lighting, power supply, security, smart grid, smart meters, medical equipment, automotive and renewable energy etc.



- Our experience R&D teams are capable to provide solutions for custom design and new product development that meet customer's application requirements.
- We own 4 large production bases with over 280 workers, 2 R&D centers, 3 sales centers ,mainly provide service to different markets in Asia, America and Europe.



- Advance Manufacturing and Testing Equipment
- KNSCHA state-of-art facilities is operate with high quality standard, using Lean manufacturing processes with a comprehensive ISO 9001/14001 and IATF 16949 management systems.



- Certification
- Product certification and quality management.



- Management Team

- KNSCHA management team comprised of professionals and technical experts hailing from internationally renowned electronic component brands.
- Our team excels in management, product research and development, manufacturing, and quality control.

- Customer Service and Support

- KNSCHA has a team of customer services and technical support that work round-the-clock to support the needs and responsive to our customers.

- Wide Range of Products

- KNSCHA is an innovative technology enterprise that focuses mainly on researching, manufacturing and selling Conductive Polymer Hybrid Capacitors, Organic Conductive Polymer Capacitors , Multi-layer Polymer Solid Capacitors and Aluminum Electrolytic Capacitors including SMD type, lead type, terminal type (snap-in type & screw type) etc.

- KNSCHA offers a broad range of film capacitors including DC-Link Capacitor, AC-Filter Capacitor, Snubber/Pulse Capacitor, EMI Film Capacitor, General Purpose DC Film Capacitor etc.

- KNSCHA is a professional manufacturer of Super Capacitors including Electric Double Layer Capacitors and Lithium Ion Capacitors etc.

- We are specialized in production of Ceramic Capacitor including Safety Y1 &Y2 Standard Certified Type and High Voltage Type, Radial lead multilayer ceramic capacitors, Metal Oxide Varistors including Standard Type, High Surge Type, Combination Wave Type, TMOV and Thermistors etc.

●KNSCHA Certificate



●Our Factory



● Our Factory



● Exhibition History

Oct,2017 HK Electronica Asia



April,2019 EXPO Electronica fair in Moscow



April,2018 EXPO Electronica fair in Moscow



July,2019 FIEE Electronica fair in Brazil



Oct,2018 HK Electronica Asia



Sept,2019 India Munich Electronica



Nov,2018 Electronica in Munich



April,2023 EXPO Electronica fair in Moscow



Aluminum Electrolytic Capacitors

Radial-7mmL and 5mmL

KFS Series

105°C 2,000 Hrs
Standard micro miniature
size with 5mm height



KFL Series

105°C 3,000~6,000 Hrs
Long life with 5mm height



KSS Series

105°C 2,000 Hrs
Standard micro miniature
size with 7mm height



KSL Series

105°C 3,000 Hrs
Long life with 7mm height



KSE Series

105°C 2,000 Hrs
Low Impedance
with 7mm height



Radial Bi-polarized

KNS Series

85°C 2,000 Hrs
Standard bi-polarized series



KNB Series

105°C 2,000 Hrs
Standard bi-polarized series



Radial Low leakage current

KLS Series

105°C 2,000 Hrs
Very low leakage current



Radial 105°C Standard

KGA Series

105°C 2,000 Hrs
For general purposes



KGR Series

105°C 2,000 Hrs
High ripple current
Slim type included



-55°C Wide temperature range

KGM Series

105°C 2,000 Hrs
-55°C Wide temperature range



KXL Series

105°C 10,000 Hrs
Wide temperature range



Long life



KXC Series

105°C 3,000 Hrs
Long Life



KXB Series

105°C 4,000 Hrs
Long Life



KXE Series

105°C 5,000~10,000 Hrs
Long Life



KXD Series

105°C 5,000 Hrs
Long Life



KXF Series

105°C 12,000 Hrs
Long Life



Special purpose



KGH Series

105°C 5,000 Hrs
For LED



KGE Series

105°C 10,000 Hrs
For LED



KPD Series

105°C 1,000~2,000 Hrs
For Quick Quick Charge



Low Impedance



KXJ Series

105°C 2,000 Hrs
Low Impedance



KXX Series

105°C 5,000 Hrs
Low Impedance



KXZ Series

105°C 7,000~10,000 Hrs
Low Impedance



KXW Series

105°C 4,000~10,000 Hrs
Low Impedance



● Low Impedance

-55°C Wide temperature range



KKS Series

105°C 2,000 Hrs
Low Impedance
Wide temperature range



KKG Series

105°C 5,000 Hrs
Low Impedance
Wide temperature range



KKM Series

105°C 6,000~10,000 Hrs
Low Impedance
Wide temperature range



● Ultra Low Impedance



KSZ Series

105°C 2,000 Hrs
Ultra Low Impedance



KSM Series

105°C 2,000~5,000 Hrs
Ultra Low Impedance



KSB Series

105°C 6,000~10,000 Hrs
Ultra Low Impedance



● Low Impedance

Low water

KLZ Series

105°C 6,000~10,000 Hrs
Low Impedance
Low water



KLE Series

105°C 2,000 Hrs
Low Impedance
Low water



No water

-55°C Wide temperature range

KRF Series

105°C 4,000~10,000 Hrs
Low Impedance
-55°C No water



KRP Series

105°C 7,000 Hrs
Low Impedance
-55°C No water



KRR Series

105°C 5,000 Hrs
Low Impedance
-55°C No water



KRL Series

105°C 10,000 Hrs
Low Impedance
-55°C No water



KRZ Series

105°C 12,000~20,000 Hrs
Low Impedance
-55°C No water



● High Temperature



KUA Series

125°C 2,000 Hrs
High temperature applications



KUB Series

130°C 2,000 Hrs
High temperature applications



KUK Series

125°C 5,000 Hrs
High temperature applications



KUE Series

130°C 5,000 Hrs
High temperature applications



KUL Series

125°C 10,000 Hrs
High temperature applications



● For automobile modules and other high temperature applications

● Snap-in Aluminum Electrolytic Capacitors



Standard

KLX Series

85°C 2,000 Hrs
Standard



KSG Series

105°C 2,000 Hrs
Standard



High Ripple current

Long life

KSR Series

105°C 3,000 Hrs
High Ripple current



KSA Series

105°C 3,000 Hrs
Long Life



KSP Series

105°C 7,000 Hrs
Long Life



KSK Series

105°C 5,000 Hrs
Long Life



●Screw Terminal Aluminum Electrolytic Capacitors

85°C Standard

SA Series

85°C 2,000Hrs
Standard



Miniaturized

SB Series

85°C 2,000Hrs
Standard
miniaturized



SD Series

85°C 5,000Hrs
Long Life
High Reliability
High Ripple Current



SC Series

85°C 3,000Hrs
Long Life
High Ripple Current



SE Series

85°C 10,000Hrs
Long Life
High Reliability
High Ripple Current



SF Series

85°C 2,000Hrs
Long Life
High Reliability
High Ripple Current



●Screw Terminal Aluminum Electrolytic Capacitors

105°C Standard

HA Series

105°C 2,000 Hrs
Standard



- Suitable for Frequency converters, Professional power supplies and Electric welding machine

HB Series

105°C 3,000 Hrs
Long Life
High Ripple Current



- Suitable for Frequency converters, Professional power supplies and Solar

HD Series

105°C 10,000 Hrs
Long Life
High Reliability
High Ripple Current



- Suitable for Frequency converters, Traction and Professional power supplies

HC Series

105°C 5,000 Hrs
Long Life
High Reliability
High Ripple Current



- Suitable for Frequency converters, Traction and Professional power supplies

●SMD Aluminum Electrolytic Capacitors

Standard

KAS Series

105°C 1,000 Hrs
Standard
4.5mm Height



KAT Series

105°C 2,000 Hrs
Standard



Low Impedance

KAE Series

105°C 2,000~3,000 Hrs
Low Impedance



Ultra low Impedance

KAZ Series

105°C 2,000~3,000 Hrs
Low Impedance



Standard



Miniaturized

KAM Series

105°C 2,000~5,000 Hrs
Small size
Ultra low Impedance



●SMD Aluminum Electrolytic Capacitors

Low Impedance

KAL Series

105°C 3,000~5,000 Hrs
Low Impedance
High Ripple Current



Long Life

KAU Series

105°C 5,000~7,000 Hrs
Low Impedance
High Ripple Current



KAY Series

105°C 7,000~10,000 Hrs
Low Impedance
High Ripple Current



High voltage

KAG Series

105°C 2,000~3,000 Hrs
High Ripple Current



KAD Series

105°C 5,000~7,000 Hrs
High Ripple Current



KAP Series

105°C 7,000~10,000 Hrs
High Ripple Current



Long Life

KAF Series

105°C 3,000~5,000 Hrs
Long Life



KAR Series

105°C 5,000~7,000 Hrs
Long Life



High Temperature

KAH Series

125°C 2,000 Hrs
Low Impedance
High Ripple Current



For Audio Equipment

KAK Series

85°C 2,000 Hrs

- Suitable for a high grade of audio reproduction



KAA Series

105°C 2,000 Hrs

- Suitable for a high grade of audio reproduction



Low leakage current

KAC Series

105°C 2,000 Hrs
Low Leakage Current



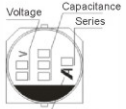
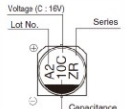
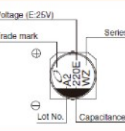
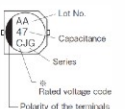
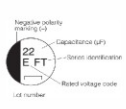
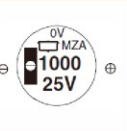
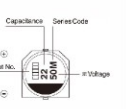
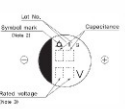
Non-polarity standard

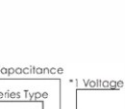
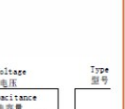
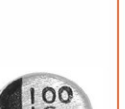
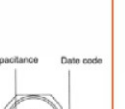
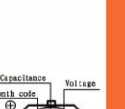
KAN Series

105°C 2,000 Hrs
Bi-polar

- Suitable for a high grade of audio reproduction



KNSCHA	Nichicon	Rubycon	Panasonic	Chemicon	SAMWHA	SAMYOUNG
 	 			 		
*	*	*	*	MVA	SC	MVG
KAT Series	UWT UWP UUP UUT UCQ	JGV SKV	HB HA	MVE MVJ	JC JH RC	MVK BDS BDR BDA
KAE Series	UWF UWG	*	FC	MVY MLA	ZC	*
KAZ Series	UCD UUD UWD	TZV	FK FKS	MZA	CD CK	BXA BXE BXJ
KAM Series	UCL UCM UCV	TKV TPV	FT FP	MZJ MZR	CZ	BXF BXQ
KAL Series	*	TLV	*	*	*	*
KAU Series	UCW	*	*	*	*	*
*	*	*	*	*	JM	*
KAF Series	UUA UUL	SJV	HC	MVL	CA CB	BLA
KAR Series	UCB	*	*	MLK MLE	*	*
KAH Series	*	TXV	TG	MVH MHB	UC UR	CLZ CLX CLS
KAN Series	*	*	*	*	CN NC	BP
KAC Series	*	*	*	*	*	*
KAY Series	*	*	*	MZE MZF	JL	BLH
KAD Series	*	*	*	*	JM	BLA
KAG Series	UUX ULR	*	*	MVE	*	*
KAP Series	ULV	*	*	*	*	*
KAK Series	*	*	*	ARI	*	*
KAA Series	*	*	*	MAK	*	*

KNSCHA	Fujicon	Lelon	Teapo	Jiamicon	CAPXON	Su'scon
 						
*	CS	VE	VS	CS	LV	CS
KAT Series	CK	VES VEJ	VT VH	CT CH	EV HV	CH CK
KAE Series	LZ	VEZ VEH	VA VZ	CL	ZV	*
KAZ Series	KZ FZ	VZH VZL	VB VD	CF CK CZ CD	DV	CD
KAM Series	*	VZS VZT	VP	*	*	*
KAL Series	*	VZH	*	CJ	RV	CDL
KAU Series	*	*	*	CJ	*	*
*	EL	*	*	*	JV	*
KAF Series	KL	VEU	VL	CU	MV	CKL
KAR Series	*	*	*	*	*	*
KAH Series	KH	VUA	VK VM	CB	TV	CG CGS CGV
KAN Series	CN	VEB VGB	VN	CN CP	NV	CN
KAC Series	SC	VEC	*	CA CE	KV	*
KAY Series	*	VZR	*	*	CV	*
KAD Series	*	*	VJ	*	*	*
KAG Series	*	*	*	*	*	CL
KAP Series	*	*	*	*	*	*
KAK Series	*	*	*	*	*	*
KAA Series	*	*	*	*	*	*

Conductive polymer aluminum solid capacitors



Radial Lead Type

KNE1 Series

-55°C~105°C 2,000 Hrs
High ripple
Ultra Low ESR



KNH4 Series

-55°C~125°C 2,000 Hrs
Low ESR, High ripple
High voltage, High temp.



KNE2 Series

-55°C~105°C 2,000 Hrs
Low ESR
High ripple



KNH2 Series

-55°C~105°C 2,000 Hrs
Low ESR
High ripple
High voltage



KNE4 Series

-55°C~125°C 2,000 Hrs
Low ESR
High temp.
High ripple current



KNH5 Series

-55°C~105°C 5,000 Hrs
Low ESR, Long life
High ripple, High voltage



KNE5 Series

-55°C~105°C 5,000 Hrs
Low ESR
Long life
High ripple



Chip Type

KNM2 Series

-55°C~105°C 2,000 Hrs
Low ESR
High ripple



Multi-layer Polymer Solid Capacitors

MP19A Series

105°C 2,000 Hrs
Low ESR
High ripple current



Conductive Polymer Hybrid Aluminum Electrolytic Capacitors

Radial Lead Type

HPB Series

105°C 5,000 Hrs
Low ESR
High Reliability



HPR Series

125°C 4,000 Hrs
Low ESR
High Reliability



Chip Type

HMB Series

105°C 5,000 Hrs
Low ESR
High Reliability



HMR Series

125°C 4,000 Hrs
Low ESR
High Reliability



Electric Double Layer Capacitors

Super Capacitors

KSP Series

2.7V.DC
High Energy
High Power Type



Button Series

5.5V.DC
Long Life
Low Leakage Current



KSD Series

3.0V.DC
High Energy
High Voltage
High Power Type



KHM Series

5.5V.DC 6.0V.DC
7.5V.DC 8.1V.DC
9.0V.DC
Long Life
Low Leakage Current



Lithium Ion Capacitors, LIC

LIC and FCB Series

3.8V.DC~4.2V.DC
High Energy
High Voltage
Low Self-discharge



Replaced super capacitors and lithium batteries in some application scenarios

Plastic Film Capacitors

Metallized Polypropylene Film Capacitors

MPP Series

Dipped Type



MPB Series

Box Type



MPP-A Series

For Capacitive Divider



MPB-A Series

For Capacitive Divider



MMKP82 Series

Box-type Metallized
Double Sided High Voltage
Polypropylene Film Capacitor



Axial Metallized Polypropylene Film Capacitors

MPT Series

Cycloidal



MPA Series

Flat Oval Shape



Our audio capacitors are to be used for
high end audio applications (loudspeakers,
amplifiers, coupling, power supply, etc)

Class X2 Film Capacitor

X2 Metallized Polypropylene Film Capacitor

X2 Series

EMI



X2-A Series

For Capacitive Divider

● Good properties in damp environment



X2-THB Series

Temperature: 85°C ± 2°C;
Humidity: 85% ± 2% Loading
Voltage: 240Vac (50Hz/60Hz)
Duration: 2000 Hours

● For capacitive divider power supply.
Such as power meter, LED driver,
and other sever ambient condition
applications



Metallized Polyester Film Capacitors

MPEX Series

Miniature size



MEBC Series

Miniature size Box



MPE Series

Dipped Type



MEB Series

Box Type



Axial Metallized Polyester Film Capacitors

MET Series

Cycloidal



MEA Series

Flat Oval Shape



CBB61 Motor Capacitor

CBB61 Series

0.5μF~20μF
250/275/300/350/375
400/450/500VAC



Power Electronics Capacitors

New Energy Series

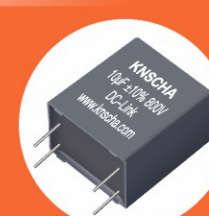
Metallized Polypropylene Film DC-Link/DC Filtering Capacitors

Radial Leads

C3D Series

DC filtering, DC Link
Solar inverter, industrial inverter
Industrial power supply

● UL B10 (Construction only)



THB Series

DC filtering, DC Link
Solar inverter, industrial inverter
EV charger, industrial power supply

● AECQ-200
● UL B10 (Construction only)
● THB Grade IIIB (85°C, 85% RH, 1000h at UNDC)



● Cylindrical Aluminum Can/Plastic Can

KDB Series

DC filtering, DC Link
Cylindrical Plastic Case
Inverter, motor drive, welder



KDC Series

DC filtering, DC Link
Large inverter, energy storage
Cylindrical Aluminum Can Dry Type



● UL 810 (Construction only)

KDH Series

Cylindrical Aluminum Can Dry Type
DC filtering, DC Link
Large inverter, energy storage



● UL 810 (Construction only)
● THB Grade IIIB (85°C, 85% RH, 1000h at UNDC)

● Snubber/Pulse Capacitors

Radial Leads

MMKP82 Series

SCR commutating circuit
High frequency, high voltage
Snubber, pulse, resonant circuits

● THB Grade IIIB (85°C, 85% RH, 1000h at UNDC)



Oval Axial/Round Axial Type

KSC Series

IGBT module protection
High frequency, high voltage



● Double Metallized Polypropylene Film Capacitors

Lug Terminal

KSB Series

High current
IGBT module protection
High voltage, high frequency



● Metallized Polypropylene AC Filter Film Capacitors

Radial Leads

KFA Series

Motor drive
Solar inverter, UPS systems
Small power AC output filter

● UL 810 (Construction only)



KSG Series

Motor drive
Solar inverter, UPS systems
Small power AC output filter

● UL 810 (Construction only)
● THB Grade IIIB (85°C, 85% RH, 1000h at UNDC)



Cylindrical Aluminum Can

KAC Series

AC filtering
LCL systems

● UL 810



KAD Series

LCL systems
PFC and AC filtering

● UL 810, delta connection



● Resonance Capacitors

Radial Leads

MMKP82 Series

SCR commutating circuit
High frequency, high voltage
Snubber, pulse, resonant circuits

● THB Grade IIIB (85°C, 85% RH, 1000h at UNDC)



KRT Series

Low ESR
High frequency
High pulse Current



Ceramic Capacitors

HT Series

HIGH VOLTAGE



KT Series

SMD Y1



JK Series

X1 / Y2(300VAC) Safety
Standard Recognized
Capacitors



JT Series

X1 / Y1(400VAC) Safety
Standard Recognized
Capacitors



Zinc Oxide Varistors

Standard Type Series

5D/7D/10D/14D/20D



High Surge Type Series

5D/7D/10D/14D/20D



NTC Series

Power NTC Thermistor



TMOV Series

14D/20D



SMD NTC Series

Plastic Thermistor NTC
2220/3220/3225/4032

● Replaced D-5D-7D-9 and D-11
Series Lead type NTC Thermistor
● CQC UL TÜV



SMD Series

Plastic packaging
2220/3220/3225/4032

● Replaced 7D and 10D Series Lead
type Metal Oxide Varistor
● CQC UL TÜV



● Tantalum Capacitors

Radial Lead Type

CA42 Series

Economy and high performance are combined



Chip Type

CA45 Series

General purpose SMT chip tantalum series



● Multilayer ceramic Capacitors

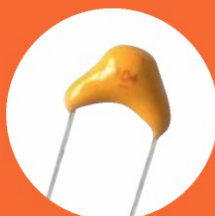
CT4 Series

Radial leaded MLCC



CT42 Series

Radial leaded MLCC



● SHINDENG Solenoids

SHINDENG Rotary DC Solenoids

SHINDENG
MADE IN JAPAN



SHINDENG Small Push-Pull DC Solenoids

SHINDENG
MADE IN JAPAN



SHINDENG Tubular DC Solenoids

SHINDENG
MADE IN JAPAN



● KNSCHA HSBC HongKong Bank Information

- ▶ Bank Name: HSBC (Hong Kong)
- ▶ Beneficiary Name: KNSCHA ELECTRONICS CO., LIMITED
- ▶ Account number: 817 826829 838
- ▶ Swift code: HSBCHKHHHKH
- ▶ Address: UNIT 04,7/F, BRIGHT WAY TOWER, NO.33 MONG KOK ROAD, KOWLOON, HK.

● Snap-in Terminal

KLX

85°C 2,000 Hrs
Standard



KSR

105°C 3,000 Hrs
High Ripple current



KSG

105°C 2,000 Hrs
Standard



KSA

105°C 3,000 Hrs
Long Life



KSK

105°C 5,000 Hrs
Long Life



KSP

105°C 7,000 Hrs
Long Life



Product Group Chart

